

What is claimed is:

1. A golf club head comprising:
 - a) a composite core of a metal and a plastic;
 - b) an injection molded sheath enclosing said core.
- 5 2. The golf club head of claim 1, wherein said composite core is formed of layers of metal and plastic.
3. The golf club head of claim 1, wherein said composite core is formed of an injection molded plastic having metal particles dispersed therein.
4. The golf club head of claim 1, wherein said sheath has metal particles
10 dispersed therein.
5. The golf club head of claim 1, wherein said metal and plastic forming said core are present in a ratio of from about 90:10 to about 10:90.
6. The golf club head of claim 1, wherein the metal in said core is selected from the group consisting of beryllium, copper, steel, aluminum, steel, nickel, titanium, and
15 mixtures and alloys thereof.
7. The golf club head of claim 1, wherein the plastic in said core is selected from the group consisting of nylon or polycarbonate.
8. The golf club head of claim 1, wherein said head includes a front surface with an outer face, a lower edge and a non-resilient ball initial impact area, said club head further
20 including a resilient section having a face in a plane with said front surface face, a lower edge aligned with said front surface lower edge, and an upper edge below said ball striking area.
9. A golf club head comprising:

a) an injection molded core of a plastic having metal particles dispersed therein;
and

b) a polymeric sheath over said core.

10. The golf club head of claim 9, wherein said first metal and plastic forming
5 said core are present in a ratio of from about 90:10 to about 10:90.

11. The golf club head of claim 9, wherein said metal is selected from the group
consisting of beryllium, copper, steel, aluminum, steel, nickel, titanium, and mixtures and
alloys thereof.

12. The golf club head of claim 9, wherein said core plastic is selected from the
10 group consisting of nylon and polycarbonate.

13. The golf club head of claim 9, wherein said sheath is formed of a plastic
selected from the group consisting of rubber, a resilient plastic, or an elastomer.

14. The golf club head of claim 9, wherein said golf club head is a putter head.

15. The golf club head of claim 9, wherein said sheath has a thickness of from
15 about 0.0125 to about 0.25 inch.

16. A golf club putter head comprising:

a) a main body having a front surface with an outer face, a lower edge and a non-
resilient ball striking area; and

b) a resilient section having a face in a plane with said front surface face, a lower
20 edge aligned with said front surface lower edge, and an upper edge below said ball striking
area.

17. The golf club putter head of claim 16, wherein said putter head lower edge has a given width, and said resilient section is a resilient insert having a width of from about 50% to about 80% of said given width, said insert being centered along said lower edge.

18. The golf putter head of claim 16, wherein said resilient section has a
5 durometer value of from about 40 to about 80.

19. A golf club putter head having a front surface with a substantially planar face, a lower edge and a ball striking area, said club head comprising:

- a) a composite core of a metal and a polymer;
- b) an injection molded sheath enclosing said core; and

10 c) a resilient insert in said front surface, said insert having a face in a plane with said front surface face, a lower edge aligned with said front surface lower edge, and an upper edge below said ball striking area.

20. The golf club head of claim 19, wherein said composite core is formed of layers of metal and polymer, the weight to weight ratio of said metal and plastic being from
15 about 90:10 to about 10:90.

21. The golf club head of claim 19, wherein said composite core is formed of an injection molded plastic having metal particles dispersed therein, the weight to weight ratio of said metal and polymer being from about 90:10 to about 10:90.

22. The golf club head of claim 19, wherein insert has a durometer value of from
20 about 40 to about 80.

23. The golf club head of claim 19, wherein said ball strike area is about 0.6 inch above said front surface lower edge.

24. A golf club putter head having a front surface with a substantially planar face, a lower edge and a non-resilient ball initial impact area, said club head comprising:

a) a non-resilient core having a forward section with a front surface in a plane with the planar face of said putter head front surface, said core section front surface forming
5 said ball impact area; and

b) a resilient sheath enclosing said core except for said core forward section front surface, said sheath including a resilient striking surface beneath said core forward section front surface, said resilient striking surface having a face in a plane with said front surface face, a lower edge aligned with said front surface lower edge, and an upper edge below said
10 ball striking area.

25. The golf club head of claim 24, wherein said non-resilient core is formed of an injection molded plastic having metal particles dispersed therein, the weight to weight ratio of said metal and polymer being from about 90:10 to about 10:90.

26. The golf club head of claim 24, wherein said non-resilient core is formed of a
15 metal selected from the group consisting of beryllium, copper, steel, aluminum, steel, nickel, titanium, and mixtures and alloys thereof.

27. The golf club head of claim 24, wherein said sheath has a thickness of from about 0.125 to about 0.25 inch.

28. The golf club head of claim 24, wherein said sheath front section upper edge is
20 from about 0.6 inch above said front surface lower edge.